

First Named Component Leaching Index Values for CRP
Greater Fairbanks Area, Alaska: Detailed Soil Map Legend (update)

(see footnotes at end of table)

Map Symbol	Component Name	Map Unit Name	Drained Index	Undrained Index
101	Bolio	Bolio peat		1
102	Bradway	Bradway very fine sandy loam		1
103	Chatanika	Chatanika mucky silt loam, 0 to 3 percent slopes		1
104	Chatanika	Chatanika mucky silt loam, 3 to 7 percent slopes		1
105	Chatanika	Chatanika mucky silt loam, 7 to 12 percent slopes		1
106	Chatanika	Chatanika mucky silt loam, 12 to 20 percent slopes		1
107	Chatanika	Chatanika-Goldstream complex		1
108	Chena	Chena very fine sandy loam		2
111	Eielson	Eielson fine sandy loam		2
112	Eielson	Eielson-Piledriver complex		2
113	Eielson	Eielson-Tanana complex		2
114	Ester	Ester peat, 20 to 45 percent slopes		1
115	Ester	Ester peat, very steep		1
116	Fairbanks	Fairbanks silt loam, 3 to 7 percent slopes		2
117	Fairbanks	Fairbanks silt loam, 7 to 12 percent slopes		2
118	Fairbanks	Fairbanks silt loam, 12 to 20 percent slopes		2
119	Fairbanks	Fairbanks silt loam, 20 to 30 percent slopes		2
120	Fairbanks	Fairbanks silt loam, 30 to 45 percent slopes		2
121	Fairbanks	Fairbanks silt loams, strongly sloping and steep		2
122	Fairbanks	Fairbanks-Steese complex, 12 to 20 percent slopes		2
123	Fairbanks	Fairbanks-Steese complex, 20 to 30 percent slopes		2
124	Fubar	Fubar-Piledriver complex, occasionally flooded		1
125	Gilmore	Gilmore silt loam, 3 to 7 percent slopes		1
126	Gilmore	Gilmore silt loam, 7 to 12 percent slopes		1
127	Gilmore	Gilmore silt loam, 12 to 20 percent slopes		1
128	Gilmore	Gilmore silt loam, 20 to 30 percent slopes		1
129	Gilmore	Gilmore silt loam, 30 to 45 percent slopes		1
130	Gilmore	Gilmore silt loam, 45 to 70 percent slopes		1
131	Ester	Gilmore-Ester complex, 12 to 70 percent slopes		1
132	Gilmore	Gilmore-Steese complex, 3 to 15 percent slopes		1
133	Goldstream	Goldstream peat, 0 to 3 percent slopes		1
134	Goldstream	Goldstream peat, 3 to 7 percent slopes		1
135	Goldstream	Goldstream-Histels complex, 0 to 3 percent slopes		1
137	Jarvis	Jarvis fine sandy loam		2
138	Jarvis	Jarvis-Chena complex		2
139	Salchaket	Jarvis-Salchaket complex		2
140	Lemeta	Lemeta peat		1
141	Liscum	Liscum-Noonku complex		1
142	Minto	Minto silt loam, 0 to 3 percent slopes		2
143	Minto	Minto silt loam, 3 to 7 percent slopes		2
144	Minto	Minto silt loam, 7 to 12 percent slopes		2
145	Minto	Minto-Chatanika complex, 0 to 3 percent slopes		2
146	Minto	Minto-Chatanika complex, 3 to 7 percent slopes		2
147	Minto	Minto-Chatanika complex, 7 to 12 percent slopes		2
148	Minto	Minto-Chatanika complex, 12 to 20 percent slopes		2
149	Mosquito	Mosquito mucky peat		1
150	Mosquito	Mosquito-Noonku complex		1
151	Noonku	Noonku very fine sandy loam		1
152	North Pole	North Pole fine sandy loam		1
153	North Pole	North Pole-Mosquito-Liscum complex		1
154	North Pole	North Pole-Noonku complex		1
155	Peede	Peede silt loam		1
156	Peede	Peede-Mosquito complex		1
157	Piledriver	Piledriver very fine sandy loam		2
158	Piledriver	Piledriver-Eielson complex		2
159	Piledriver	Piledriver-Fubar complex		2

First Named Component Leaching Index Values for CRP
Greater Fairbanks Area, Alaska: Detailed Soil Map Legend (update)

(see footnotes at end of table)

Map Symbol	Component Name	Map Unit Name	Drained Index	Undrained Index
162	Salchaket	Salchaket very fine sandy loam		2
163	Salchaket	Salchaket-Typic Cryorthents complex		2
164	Saulich	Saulich peat, 3 to 7 percent slopes		1
165	Saulich	Saulich peat, 7 to 12 percent slopes		1
166	Saulich	Saulich peat, 12 to 20 percent slopes		1
167	Saulich	Saulich-Minto complex, 7 to 12 percent slopes		1
168	Saulich	Saulich-Minto complex, 12 to 20 percent slopes		1
169	Steese	Steese silt loam, 3 to 7 percent slopes		2
170	Steese	Steese silt loam, 7 to 12 percent slopes		2
171	Steese	Steese silt loam, 12 to 20 percent slopes		2
172	Steese	Steese silt loam, 20 to 30 percent slopes		2
173	Steese	Steese silt loam, 30 to 45 percent slopes		2
174	Steese	Steese silt loam, 45 to 70 percent slopes		2
175	Steese	Steese-Gilmore complex, 12 to 20 percent slopes		2
176	Steese	Steese-Gilmore complex, 20 to 30 percent slopes		2
177	Steese	Steese-Gilmore complex, 30 to 45 percent slopes		2
178	Steese	Steese-Gilmore complex, 45 to 70 percent slopes		2
179	Tanacross	Tanacross peat		1
180	Tanana	Tanana mucky silt loam		1
181	Tanana	Tanana-Mosquito complex		1

This report produces Leaching Index Values (1, 2 and 3) suitable for use as described in Part 539.58 - National Ranking Factor N2, Subfactor B in the CRP Manual. The index information presented in the report is based on data from the first named component of the soil map unit.

The values 1, 2 and 3 are derived by using the same algorithms included in the SOIL PESTICIDE INTERACTION SCREENING PROCEDURE II, Goss and Wauchope, November, 1990. These algorithms produce the leaching values 1, 2, 3 and 4 but this report reverses the order of meaning and combines values 3 and 4. Thus, this report, as required by CRP rules correctly reports 1 as low, 2 as medium, and 3 as high. These values are ready for use in determining signup scores for National ranking subfactor N2 without further code conversion.

Weighted Average Leaching Index Values for CRP
Greater Fairbanks Area, Alaska: Detailed Soil Map Legend (update)

(see footnotes at end of table)

Map Symbol	Map Unit Name	Drained Index	Undrained Index
101	Bolio peat		1
102	Bradway very fine sandy loam		1
103	Chatanika mucky silt loam, 0 to 3 percent slopes		1
104	Chatanika mucky silt loam, 3 to 7 percent slopes		1
105	Chatanika mucky silt loam, 7 to 12 percent slopes		1
106	Chatanika mucky silt loam, 12 to 20 percent slopes		1
107	Chatanika-Goldstream complex		1
108	Chena very fine sandy loam		2
111	Eielson fine sandy loam		2
112	Eielson-Piledriver complex		2
113	Eielson-Tanana complex		2
114	Ester peat, 20 to 45 percent slopes		1
115	Ester peat, very steep		1
116	Fairbanks silt loam, 3 to 7 percent slopes		2
117	Fairbanks silt loam, 7 to 12 percent slopes		2
118	Fairbanks silt loam, 12 to 20 percent slopes		2
119	Fairbanks silt loam, 20 to 30 percent slopes		2
120	Fairbanks silt loam, 30 to 45 percent slopes		2
121	Fairbanks silt loams, strongly sloping and steep		2
122	Fairbanks-Steese complex, 12 to 20 percent slopes		2
123	Fairbanks-Steese complex, 20 to 30 percent slopes		2
124	Fubar-Piledriver complex, occasionally flooded		1
125	Gilmore silt loam, 3 to 7 percent slopes		1
126	Gilmore silt loam, 7 to 12 percent slopes		1
127	Gilmore silt loam, 12 to 20 percent slopes		1
128	Gilmore silt loam, 20 to 30 percent slopes		1
129	Gilmore silt loam, 30 to 45 percent slopes		1
130	Gilmore silt loam, 45 to 70 percent slopes		1
131	Gilmore-Ester complex, 12 to 70 percent slopes		1
132	Gilmore-Steese complex, 3 to 15 percent slopes		1
133	Goldstream peat, 0 to 3 percent slopes		1
134	Goldstream peat, 3 to 7 percent slopes		1
135	Goldstream-Histels complex, 0 to 3 percent slopes		1
137	Jarvis fine sandy loam		2
138	Jarvis-Chena complex		2
139	Jarvis-Salchaket complex		2
140	Lemeta peat		1
141	Liscum-Noonku complex		1
142	Minto silt loam, 0 to 3 percent slopes		2
143	Minto silt loam, 3 to 7 percent slopes		2
144	Minto silt loam, 7 to 12 percent slopes		2
145	Minto-Chatanika complex, 0 to 3 percent slopes		2
146	Minto-Chatanika complex, 3 to 7 percent slopes		2
147	Minto-Chatanika complex, 7 to 12 percent slopes		2
148	Minto-Chatanika complex, 12 to 20 percent slopes		2
149	Mosquito mucky peat		1
150	Mosquito-Noonku complex		1
151	Noonku very fine sandy loam		1
152	North Pole fine sandy loam		1
153	North Pole-Mosquito-Liscum complex		1
154	North Pole-Noonku complex		1
155	Peede silt loam		1
156	Peede-Mosquito complex		1
157	Piledriver very fine sandy loam		2
158	Piledriver-Eielson complex		2
159	Piledriver-Fubar complex		2
162	Salchaket very fine sandy loam		2

Weighted Average Leaching Index Values for CRP
Greater Fairbanks Area, Alaska: Detailed Soil Map Legend (update)

(see footnotes at end of table)

Map Symbol	Map Unit Name	Drained Index	Undrained Index
163	Salchaket-Typic Cryorthents complex		2
164	Saulich peat, 3 to 7 percent slopes		1
165	Saulich peat, 7 to 12 percent slopes		1
166	Saulich peat, 12 to 20 percent slopes		1
167	Saulich-Minto complex, 7 to 12 percent slopes		2
168	Saulich-Minto complex, 12 to 20 percent slopes		1
169	Steese silt loam, 3 to 7 percent slopes		2
170	Steese silt loam, 7 to 12 percent slopes		2
171	Steese silt loam, 12 to 20 percent slopes		2
172	Steese silt loam, 20 to 30 percent slopes		2
173	Steese silt loam, 30 to 45 percent slopes		2
174	Steese silt loam, 45 to 70 percent slopes		2
175	Steese-Gilmore complex, 12 to 20 percent slopes		2
176	Steese-Gilmore complex, 20 to 30 percent slopes		2
177	Steese-Gilmore complex, 30 to 45 percent slopes		2
178	Steese-Gilmore complex, 45 to 70 percent slopes		2
179	Tanacross peat		1
180	Tanana mucky silt loam		1
181	Tanana-Mosquito complex		1

This report produces Leaching Index Values (1, 2 and 3) suitable for use as described in Part 539.58 - National Ranking Factor N2, Subfactor B in the CRP Manual. The index information presented in the report is a weighted average of the component indexes by the map unit component percent composition.

The values 1, 2 and 3 are derived by using the same algorithms included in the SOIL PESTICIDE INTERACTION SCREENING PROCEDURE II, Goss and Wauchope, November, 1990. These algorithms produce the leaching values 1, 2, 3 and 4 but this report reverses the order of meaning and combines values 3 and 4. Thus, this report, as required by CRP rules correctly reports 1 as low, 2 as medium, and 3 as high. These values are ready for use in determining signup scores for National ranking subfactor N2 without further code conversion.